



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010451
CERTIFICATION DATE: December 12, 2013
DATE RECERTIFICATION DUE: June 10, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.
Forensic Scientist

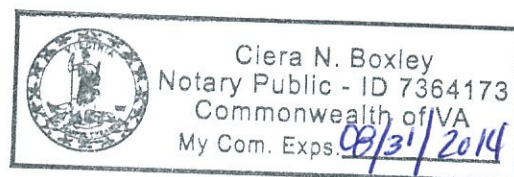
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

not



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/13/2013

*HMS
TWN*

Instrument Serial Number: 010451

As of 13-Dec-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
12-Dec-13	12-Dec-13	HMS (18910)	CERTIFIED
11-Jul-13	11-Jul-13	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
06-Dec-12	06-Dec-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
19-Oct-12	19-Oct-12	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
13-Jun-12	13-Jun-12	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED, REPLACED DRY GAS STANDARD.
11-May-12	29-Dec-11	HMS (18910)	REPLACED DRY GAS STANDARD.
29-Dec-11	29-Dec-11	HMS (18910)	CERTIFIED
30-Aug-11	30-Aug-11	HMS (18910)	CERTIFIED
02-Mar-11	02-Mar-11	HMS (18910)	CALIBRATED BAROMETRIC PRESSURE SENSOR, CERTIFIED
14-Sep-10	14-Sep-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
02-Jun-10	02-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD.
02-Apr-10	02-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Oct-09	09-Oct-09	HMS (18910)	CERTIFIED.
21-Apr-09	21-Apr-09	DBH (21250)	CERTIFIED.
07-Apr-09	07-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Apr-09	06-Apr-09	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED.
28-Oct-08	28-Oct-08	RJP (22428)	CERTIFIED.
06-Oct-08	06-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials: LMS, TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010451 Worksheet Start Date 12/12/2013
Location Bedford Co.
Address 1000 Broad St., Bedford, VA 24523
DFS Technician Heather Stanton License No. 18910
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 744 Reference Barometer (mm HG) 746
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.300	0.294	0.285	0.302	0.294	
Precision		sample min	sample max	Sample 2	
0		0.294	0.294	0.294	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.098	0.095	0.101	0.097	
Precision		sample min	sample max	Sample 2	
0.001		0.096	0.097	0.096	

Dry gas standard Lot No. (with tank no.) AG316301-11

- ☐ Replaced dry gas standard (+O-ring)
☐ Installed at Location
☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50
50
2 pads

Notes:

Blank area for notes.

Instrument Serial Number

010451

Certification Date

12/12/2013

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.242
0.250	0.245	0.237	0.252	Sample 2	0.242
Precision		sample min	sample max	Sample 3	0.241
0.001		0.241	0.242		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.147	0.142	0.151	Sample 2	0.145
Precision		sample min	sample max	Sample 3	0.145
0		0.145	0.145		

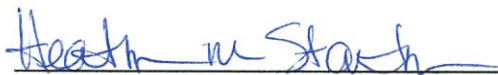
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/13/13

Issuing Analyst



Date

12/16/13

Intox EC/IR-II: Certification

AMS
TEN

Department of Forensic Science

Serial Number: 010451 Test Number: 1200
Test Date: 12/12/2013 Test Time: 06:59 EST

Technician Initials: HMS

Dry Gas Target: 0.245

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 159 psi Barometric Pressure: 744 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	06:59
BLK	0.000	07:00
CHK	0.242	07:01
BLK	0.000	07:02
CHK	0.242	07:03
BLK	0.000	07:04
CHK	0.241	07:05
BLK	0.000	07:07

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010451 Test Number: 1201
Test Date: 12/12/2013 Test Time: 07:10 EST

Technician Initials: HMS

Dry Gas Target: 0.147

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 517 psi Barometric Pressure: 744 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	07:10
BLK	0.000	07:11
CHK	0.145	07:12
BLK	0.000	07:13
CHK	0.145	07:14
BLK	0.000	07:15
CHK	0.145	07:16
BLK	0.000	07:17

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010451 Test Number: 1202
Test Date: 12/12/2013 Test Time: 07:21 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 07713080I2-04 Exp Date: 05/01/2015
Tank Pressure: 649 psi Barometric Pressure: 745 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	07:21
BLK	0.000	07:22
CHK	0.077	07:23
BLK	0.000	07:24
CHK	0.077	07:25
BLK	0.000	07:26
CHK	0.077	07:27
BLK	0.000	07:28

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010451 Test Number: 1203
Test Date: 12/12/2013 Test Time: 07:29 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 747 psi Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	07:30
BLK	0.000	07:31
CHK	0.019	07:31
BLK	0.000	07:33
CHK	0.019	07:33
BLK	0.000	07:35
CHK	0.019	07:35
BLK	0.000	07:37

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HW
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010451 Test Number: 1204

Test Date: 12/12/2013 Test Time: 07:40 EST

Dry Gas Target: 0.294

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 433 psi Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	07:41
CHK	0.294	07:41
BLK	0.000	07:43
CHK	0.294	07:44
BLK	0.000	07:46
CHK	0.294	07:47

Test Status: *Success*

Calibration CRC: 3EE312B5

Handwritten initials: HNS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010451 Test Number: 1205

Test Date: 12/12/2013 Test Time: 07:49 EST

Dry Gas Target: 0.098

Lot Number: AG316301-11 Exp Date: 06/12/2015

Tank Pressure: 840 psi Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	07:50
CHK	0.097	07:51
BLK	0.000	07:52
CHK	0.096	07:53
BLK	0.000	07:54
CHK	0.097	07:55

Test Status: Success

Calibration CRC: 3EE312B5

TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/12/2013
TEST EQUIPMENT NUMBER 010451		

RESULTS: TIME SAMPLE TAKEN 08:03 EST
 SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
 I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Dec 2013 at 09:08

AMS
TLN

Test Results

Instrument Serial Number 010451

Test # 001206 Subject Test

Test Location 1 Department of
Test Date 12 Dec 2013

Test Location 2 Forensic Science
Test Time 07:56
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 12 Dec 2013 End Time 08:04

Result Time 08:03

Result Date 12 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 07:57

Data Type BLK

Sample Value 0.000

Sample Time 07:57

Data Type CHK

Sample Value 0.096

Sample Time 07:58

Data Type BLK

Sample Value 0.000

Sample Time 07:59

Data Type SUBJ

Sample Value 0.000

Sample Time 08:00

Data Type BLK

Sample Value 0.000

Sample Time 08:01

Data Type SUBJ

Sample Value 0.000

Sample Time 08:03

Data Type BLK

Sample Value 0.000

Sample Time 08:04

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-11

Standard Expiration Date 06/12/2015

Tank Pressure 830

Barometric Pressure 745 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1750 cc End-of-Blow Time 08:00

Blow Sample Number 2 Blow Duration 3.53 sec

Blow Volume 1722 cc End-of-Blow Time 08:03

Tamper Evident Stamp 7297e202

Test Status Code 0

Test Status Success